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WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

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MEMORANDUM

SUBJECT: **Dithiopyr:** Transmittal Memo for Two Environmental Fate DERs

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The Environmental Fate and Effects Division (EFED) has reviewed two laboratory environmental fate studies (MRIDs 50092201-02) submitted by Dow AgroSciences LLC in support of the registration review of dithiopyr. These two studies pertain to anaerobic soil metabolism (OCSPP Guideline 835.4200) and anaerobic aquatic metabolism (OCSPP Guideline 835.4400).

There is no significant deviation from OCSPP guidelines noted in the submitted studies. Study results are summarized in **Table 1** below. Detailed reviews of the submitted studies are in their Data Evaluation Records (DERs).

Table 1. Summary of dithiopyr environmental fate studies

MRID	OCSPP Guideline	Study Classification	Comments	References
50092201	835.4200	Supplemental	Detections of disolved oxygen in some post-flooded sampling intervals suggested that the test systems did not entirely remain in anaerobic conditions during the test period.	Cooper, J. 2016. [^{14}C]-Dithiopyr: Route and Rate of Degradation in Four Soils under Anaerobic Conditions at 20°C. Unpublished study performed by Battelle UK Ltd., Chelmsford, Essex, United Kingdom
50092202	835.4400	Acceptable	It was not specified if the reported redox potentials were standard values. However, the reported values were sufficiently low, whether standard or not, to suggest that the test systems remained in anaerobic conditions during the test.	Dobson, R.M. 2016. [14C]-Dithiopyr: Anaerobic Aquatic Degradation in Two Water/Sediment Systems at 20 ± 2°C. Unpublished study performed by Battelle UK Ltd., Chelmsford, Essex, United Kingdom